

# Specifications

## MVC 121 Plus

### Audio

Gain.....	Unbalanced output: -6 dB; balanced output: 0 dB
Frequency response.....	20 Hz to 20 kHz, $\pm 0.3$ dB
THD + Noise.....	<0.02% @ 1 kHz, at maximum output level
S/N.....	>100 dB, 20 Hz to 20 kHz, at maximum output, unweighted
Crosstalk.....	<-90 dB @ 1 kHz, fully loaded
CMRR.....	>60 dB @ 1 kHz

### Audio input

Number/signal type	
Microphone inputs.....	2 mono, mic/line, balanced/unbalanced
Line input.....	1 stereo, line, balanced/unbalanced
Connectors	
Microphone inputs.....	(1) 3.5 mm captive screw connector, 6 pole
Line input.....	(1) 3.5 mm captive screw connector, 5 pole
Impedance.....	>10k ohms, balanced/unbalanced, DC coupled
Nominal level.....	+4 dBu when level is set to 0 dB gain; adjustable from -60 dBu to +4 dBu (line input)
Maximum level.....	+21 dBu, balanced, when input gain is set to 0 dB
Volume range	
Line input.....	-18 dB to +24 dB, adjustable per input
Mic input.....	-18 dB to +60 dB, adjustable per input
Mic noise level.....	<-120 dBV (1 $\mu$ Vrms) at 40 dB gain
Mic phantom power.....	+48 VDC, which can be switched on or off

**NOTE:** 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV  $\approx$  2 dBu

### Audio processing

D/A conversion.....	24 bit, 48 kHz sampling
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### Audio output

Number/signal type.....	2 stereo, line, balanced/unbalanced
Connectors.....	(2) 3.5 mm captive screw connector, 5 pole
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Gain error.....	$\pm 0.2$ dB channel to channel
Maximum level (Hi-Z).....	>+21 dBu, balanced; >+15 dBu, unbalanced

### Control/remote — mixer/volume controller

Serial control port.....	1 bidirectional RS-232: 3.5 mm captive screw connector, 6 pole (uses 3 poles) (shared with digital input)
Baud rate and protocol.....	9600 to 115200 baud, 38400 baud (default), 8 data bits, 1 stop bit, no parity, no flow control
Serial control pin configuration.....	1 = Tx, 2 = Rx, 3 = GND
USB control port.....	1 front panel female mini USB B
USB standards.....	USB 2.0, low speed
Program control.....	Extron control/configuration program for Windows® Extron Simple Instruction Set (SIS™)

## Control — digital input ports

Number/type .....	3 digital input (configurable)
Connector .....	(1) 3.5 mm captive screw connector, 6 pole (shared with RS-232 port, uses 4 poles)
Pin configuration .....	3 = GND; 4, 5, 6 = digital inputs 1, 2, 3
Digital inputs	
Input voltage range .....	0-24 VDC
Input impedance .....	10k ohms
Threshold low to high .....	>2.0 VDC
Threshold high to low .....	<0.8 VDC

## General

Power .....	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A
Power consumption .....	4.8 watts
Temperature/humidity .....	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, noncondensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, noncondensing
Cooling .....	Convection, no vents
Mounting	
Rack mount .....	Yes, with optional 1U rack shelf
Furniture mount .....	Yes, with optional mini under-desk mounting kit
Pole mount .....	Yes, with mini pole mount kit
Enclosure type .....	Metal
Enclosure dimensions .....	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) (4.3 cm H x 10.9 cm W x 7.6 cm D) (Depth excludes connectors and knobs.)
Product weight .....	0.6 lbs (0.3 kg)
Shipping weight .....	3 lbs (2 kg)
Vibration .....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety .....	CE, c-UL, UL
EMI/EMC .....	CE, C-tick, FCC Class A, ICES, VCCI
Warranty .....	3 years parts and labor

**NOTE:** All nominal levels are at  $\pm 10\%$ .

**NOTE:** Specifications are subject to change without notice.

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